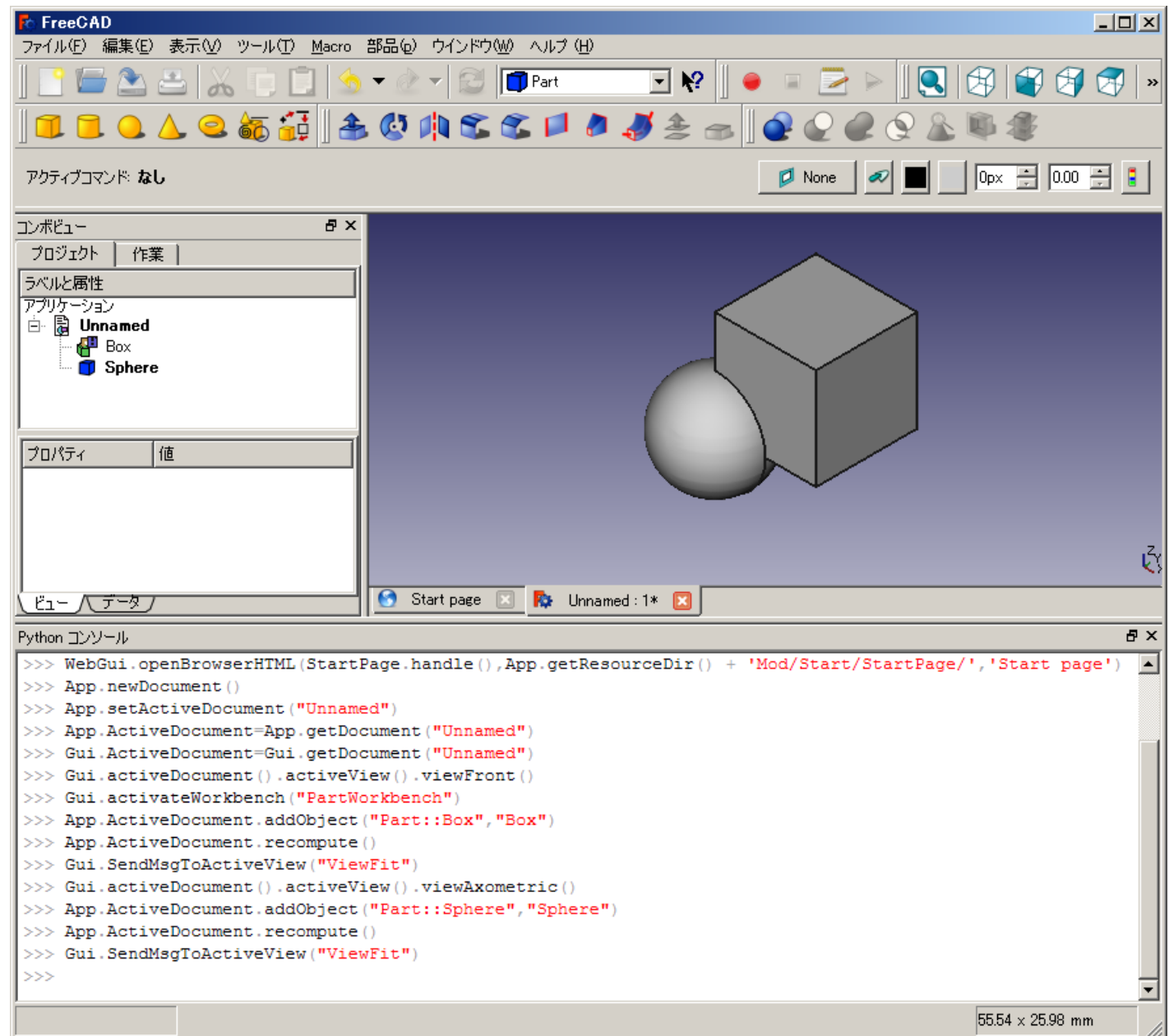


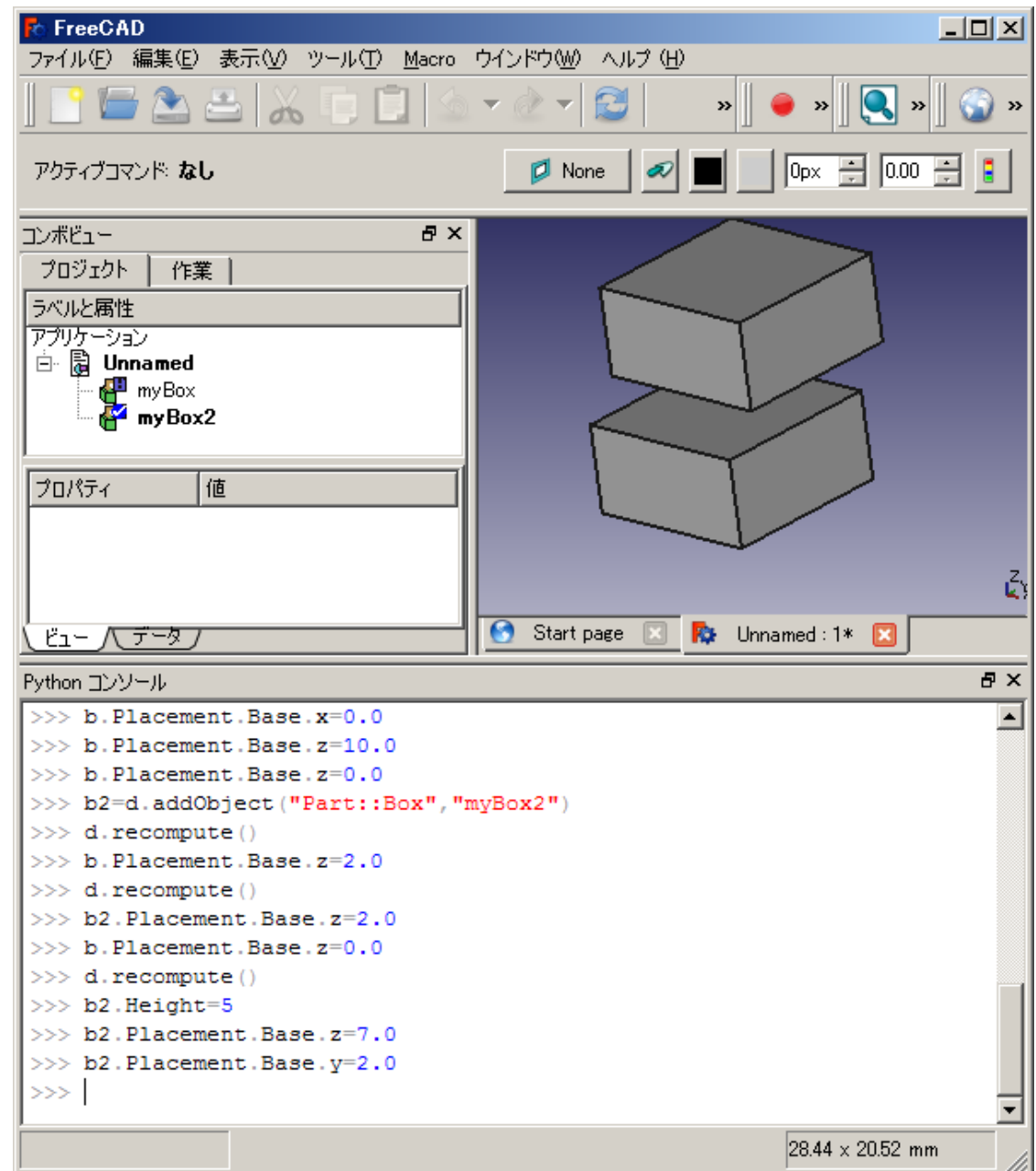
Pythonで描く (2013.05.14)

オブジェクトを追加して描く



Pythonで描く (2013.05.14)

オブジェクトを追加して描く
各オブジェクトに様々なプロパティを
追記できる。



The screenshot shows the FreeCAD interface. The main 3D view displays two gray rectangular boxes stacked on top of each other. The left sidebar contains a 'コンボビュー' (Combo View) panel with a tree structure showing a project named 'Unnamed' containing two objects: 'myBox' and 'myBox2'. Below the tree is a 'プロパティ' (Properties) table with columns for 'プロパティ' (Property) and '値' (Value). The bottom panel is the 'Python コンソール' (Python Console), which contains the following code:

```
>>> b.Placement.Base.x=0.0
>>> b.Placement.Base.z=10.0
>>> b.Placement.Base.z=0.0
>>> b2=d.addObject("Part::Box","myBox2")
>>> d.recompute()
>>> b.Placement.Base.z=2.0
>>> d.recompute()
>>> b2.Placement.Base.z=2.0
>>> b.Placement.Base.z=0.0
>>> d.recompute()
>>> b2.Height=5
>>> b2.Placement.Base.z=7.0
>>> b2.Placement.Base.y=2.0
>>> |
```

The status bar at the bottom right indicates the dimensions of the selected object: 28.44 x 20.52 mm.

Pythonで描く (2013.05.14)

マクロのエディタを使うとまとまった記述ができる
オブジェクトのリスト(配列も利用できる)

つまり

```
b=d.addObject(...)  
b.xxx.yyy...
```

を

```
pack.append(d.addObject(...))  
pack[x].xxx.yyy...
```

と書ける。

